

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11650
LOCATION 388-5516
FOREMAN Mike Rosake

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-10-12	Hoto Recky B-11-634N	10	5N	64W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 121</u>				
STATE ZIP CODE		DISTANCE TO LOCATION <u>24.6</u>				
TIME ARRIVED ON LOCATION <u>3:00 PM</u>		TIME LEFT LOCATION <u>3:30 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>655</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 6056 609.4</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>645.6</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lbs</u>	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD IHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB: Rig up, Sattymetry Pres Test, Circ 10 BBLs H₂O/KEL mix 2nd 10 Dye mix + Pump P/B Stk BENT 3% BENT 1 (30% EXCESS) at 15-21 BS at 1.27 gals or on the Company man stops as, Release Plug Displace 46.5 BBLs H₂O Burn Plug 150 over 1st WAIT 10 min Release.

Annulus 15258 Cap. 5.85 Annul. 600 Stk Cement 1096 KCL 1608 Dye

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

Rig	Sattymetry	Circ	M+P	Drop Plug	Displace	Shut in
11:00 AM	12:50 PM	1:39 PM		2:22 AM	Turn 2:22 PM	2:28 AM
				Used 36 % EXCESS	10 250 PSI	
				Used 371 Stk Cement	20 360 PSI	
Start Cement	STOP Cement			Slurry 83.4	30 400 PSI	
1:46 AM	2:19				46 410 PSI	Back to 1

BBBs to P.T

Left with Stk Cement 225 KCL 960 10 Dye 12 Sugar 50

Signature

AUTHORIZATION TO PROCEED

TITLE

DATE

11-10-12

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.